

Amendments to the specification

Please replace the paragraph bridging pages 6-7 with the following amended paragraph:

Accordingly, the present invention relates to

- (1) a UV-curable resin composition for bonding substrates of an optical disk, one or both of which have a total reflection film or a translucent reflection film comprising silver or a silver alloy, characterized in that the UV-curable resin composition comprises, as essential components, an epoxy (meth)acrylate (A), 2,2-dimethoxy-1,2-diphenylethane-1-one and a mono- to trifunctional (meth)acrylate monomer (E) other than (A), provided that the composition does not comprise a urethane (meth)acrylate;
- (2) the UV-curable resin composition according to (1), wherein the mono- to trifunctional (meth)acrylate monomer (E) is dicyclopentanyl di(meth)acrylate;
- (3) the UV-curable resin composition according to claim 1, wherein the mono- to trifunctional (meth)acrylate monomer (E) is hydroxypivalic acid neopentyl glycol di(meth)acrylate;
- (4) the UV-curable resin composition according to any one of (1) to (3), further comprising a monofunctional (meth)acrylate compound (C) containing a hydroxyl group;
- (5) the UV-curable resin composition according to any one of (1) to (4), further comprising a (meth)acrylate phosphate compound (D);
- (6) the UV-curable resin composition according to any one of (1) to (5), which has an electrical resistivity of $1000 \text{ M}\Omega\cdot\text{cm}$ ($\text{M}\Omega=10^6\Omega$) or less at 25°C ;
- (7) a bonded optical disk in which two disk substrates are allowed to adhere with a UV-curable resin composition according to any one of (1) to (6); and

(8) a UV-curable resin composition for bonding substrates of an optical disk, one or both of which have a total reflection film or a translucent reflection film comprising silver or a silver alloy, characterized in that the UV-curable resin composition has an electrical resistivity of 1000 MΩ·cm ($M\Omega=10^6\Omega$) or less at 25°C.

Please replace the paragraph beginning after “Example 1” on page 21 and ending on line 3 of page 23 with the following amended paragraph:

In a reactor equipped with a stirrer and a thermometer, 20 parts of bisphenol A diglycidylether diacrylate (EPA-37)(A), 5 parts of 2,2-dimethoxy-1,2-diphenylethan-1-one (IRGACURE 651), 10 parts of 4-hydroxybutyl acrylate (4HBA)(C), PM-2 (0.1 part)(D), 50 parts of tricyclodecanedimethylol diacrylate (R-684)(E) and 15 parts of phenoxyethyl acrylate (R-561)(E) were mixed and dissolved at 60°C for an hour to give a UV-cure resin composition of the present invention. The obtained UV-cure resin composition of the present invention had a viscosity at 25°C of 460 mPa·s (measured by a Brookfield type viscometer). A bonded optical disk of the present invention was prepared by adhering two substrates using the UV-cure resin composition according to the following procedures 1 to 4.

1. A silver alloy translucent reflection film substrate was prepared by sputtering silver alloy TTP-40A available from Target Technology Company LLC on a 0.6 mm thick PC substrate in an average film thickness of 10 nm. An aluminum alloy total reflection film substrate was prepared by sputtering an aluminum alloy available from Unaxis on a 0.6 mm thick PC substrate in an average film thickness of 45 nm.
2. 2.5 g of the above UV-cure resin composition was supplied to the circumference of the aluminum alloy-sputtered DVD substrate in the form of a circle.

3. The DVD substrate on which a silver alloy reflection film was sputtered was put on the aluminum alloy substrate with the sputtered surface downward, and spin-coating was conducted for 4 seconds at a rate of 2000 rpm to bond them so that the film thickness of the resin composition was 45 to 65 μm . As an optical disk bonding apparatus, an apparatus made by Origin ELECTRIC CO., LTD. (ADF-2HL) was used.

4. By using upper and lower two xenon flash lamps, irradiation of 8 shots at 1800 V was conducted by the upper lamp and irradiation of 4 shots at 1600 V was conducted by the lower lamp to carry out curing and adhesion. In the irradiation process, the DVD disk was positioned with the silver alloy translucent reflection film on the upper side and the aluminum alloy total reflection film on the lower side.

Examples 2 to 5 4, Reference Example, and Comparative Example 1

Please replace the first full paragraph on page 23 with the following amended paragraph:

UV-cure adhesive resin compositions of Examples 2 to 5 4, Reference Example and Comparative Example 1 were prepared in the same manner as in Example 1.

Comparative Example 1 is a supplementary experiment of Example 1 of Japanese Patent Application Laying Open (KOKAI) No. 2002-265885. A bonded optical disk was each prepared in the same manner as in Example 1. The abbreviations of each composition shown in Table 1 are as follows.

UA-732: polyether urethane acrylate available from NIPPON KAYAKU CO., LTD.

EPA-37: bisphenol A diglycidyl ether diacrylate available from NIPPON KAYAKU CO., LTD.

4HBA: 4-hydroxybutyl acrylate available from OSAKA ORGANIC CHEMICAL INDUSTRY LTD.

HPA: hydroxypropyl acrylate available from Kyoei Kagaku Kogyo Kabushiki Kaisha

MANDA: hydroxypivalic acid neopentyl glycol diacrylate available from NIPPON KAYAKU CO., LTD.

BP-4EA: bisphenol A polyethoxy diacrylate available from Kyoei Kagaku Kogyo Kabushiki Kaisha

4EG-A: tetraethylene glycol diacrylate available from Kyoei Kagaku Kogyo Kabushiki Kaisha

R-684: tricyclodecanedimethylol diacrylate available from NIPPON KAYAKU CO., LTD.

PM-2: ethylene oxide modified dimethacrylate phosphate available from NIPPON KAYAKU CO., LTD.

R-561: phenoxyethyl acrylate available from NIPPON KAYAKU CO., LTD.

THFA: tetrahydrofurfuryl acrylate available from OSAKA ORGANIC CHEMICAL INDUSTRY LTD.

IRGACURE 184: 1-hydroxycyclohexyl phenyl ketone available from Ciba Specialty Chemicals (photopolymerization initiator)

IRGACURE 651: 2,2-dimethoxy-1,2-diphenylethan-1-one available from Ciba Specialty Chemicals (photopolymerization initiator)

IRGACURE 907: 2-methyl-[4-(methylthio)phenyl]-2-morpholino-1-propanone available from Ciba Specialty Chemicals (photopolymerization initiator)

Please replace the Table on Page 27 with the following amended Table:

Table 1

	Example					Reference Example	Comparative Example
	1	2	3	4	5	1	1
EPA-37	20	20	20	20	20	15	4
IRGACURE-184	5	5	5	5	5	5	2
IRGACURE-651	10	10	10	10	10	10	32
IRGACURE-907	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4HBA	50	50	50	50	50	50	15
HPA	15	15	15	15	15	15	13
PM-2							8
R-684							41
THFA							640
R-561							1800
4EG-A							P
BP-4EA							M
MANDA							M
UA-732							P
Viscosity (mPa·s 25°C)	460	460	490	450	450	470	640
(1) Electrical resistivity (MΩ·cm 25°C)	400	300	400	400	400	530	1800
(2) Generation of voids (air bubbles)	G	G	G	G	G	G	P
(3) Appearance of reflection film before and after durability test	G	G	G	G	G	G	M
(4) Electric signal of optical disk before and after durability test	G	G	G	G	G	G	M
(5) Reflectance of translucent reflection film after leaving under sunlight	G	G	G	G	G	G	P